

Supplement to Current Science

Current Science, Vol. XVI, 1947

SERIAL NUMBER AND PAGINATION OF MONTHLY ISSUES (1947)

Sl. No.	Month	Pagination	Sl. No.	Month	Pagination
1.	January	.. 1-36	7.	July	.. 199-233
2.	February	.. 37-66	8.	August	.. 235-266
3.	March	.. 67-102	9.	September	.. 267-298
4.	April	.. 103-134	10.	October	.. 299-326
5.	May	.. 135-166	11.	November	.. 327-358
6.	June	.. 167-198	12.	December	.. 359-394

Author Index

PAGE	PAGE
Airan, J. W. ..	343 Dasa Rao, C. J. ..
Alikunhi, A. H. ..	289 Dastur, J. F. ..
Amiya, B. Kar ..	287 De, N. N. ..
Ananda Rao, T. ..	122 De, S. S. ..
Ananthachar, V. S. ..	18 Desai, C. M. ..
Ananthakrishnan, S. V. ..	141 Desikachar, H. S. R. ..
Anil Bhattacharyya ..	222 Desouza, Violet ..
Asima Chatterjee (née Mookerjee) ..	222 Dey, B. B. ..
Auden, J. B. ..	187 Dnyansagar, V. R. ..
Azizuddin Ahmed Siddiqui ..	176, 251 Dube, H. L. ..
Badami, G. N. ..	318, 353 Ferroli, D. ..
Bahl, K. N. ..	331
Bal, D. V. ..	122 George, Mariam ..
Balakrishnan, M. S. ..	146, 291 Ghatage, N. D. ..
Bami, H. L. ..	156, 252, 253, 386 Ghosh, J. C. ..
Banerji, B. K. ..	283 Giri, K. V. ..
Basak, N. G. ..	318, 353, 377 Glover, P. M. ..
Bhadra, A. K. ..	117 Gnanamuthu, C. P. ..
Bhale Rao, V. R. ..	29 Gokhale, V. P. ..
Bhashyakarla Rao ..	63 Gonzalves, Ella A. ..
Bhatnagar, S. S. ..	71, 107 Guha, P. C. ..
Bhatt, P. N. ..	206 Gupta, B. M. ..
Bhattacharya, G. N. ..	117 Gupta, K. M. ..
Bhattacharyya, S. K. ..	117, 87, 88 Gupta, S. N. ..
Bhlide, B. V. ..	57, 223 Gurbaxani, M. I. ..
Bhoumik, K. T. ..	258 Gururaja Doss, K. S. ..
Biswas, H. K. ..	314
Biswas, H. ..	352 Handa, K. L. ..
Borooh, S. K. ..	56, 275 Harinarayan Kastagir ..
Bose, S. M. ..	119 Haroonkhan, M. ..
Callow, H. J. ..	286 Hattiangi, G. S. ..
Capoor, S. P. ..	151 Hill, John Eric ..
Chacko, P. I. ..	288, 289 Hossain, T. ..
Chacrvarti, A. S. ..	23
Chaluvva Iyengar, B. R. ..	310 Iyengar, N. K. ..
Chandrasekharan, S. N. ..	30, 386 Iyer, B. H. ..
Chari, S. T. ..	294 Kalidasu Sankaraiah ..
Chatterjee, H. ..	74 Kalra, S. L. ..
Chennaveeriah, M. ..	384 Kanitkar, U. K. ..
Chhibber, H. L. ..	78 Kapoor, L. D. ..
Child, Reginald ..	5 Kapoor, S. ..
Chinnappa, K. V. ..	274 Karunakaran, C. ..
Chinoy, J. J. ..	24, 25, 121 Keralavarma ..
Chowdhury, S. ..	152, 384 Kishen, K. ..
Contractor, G. P. ..	34 Krishna, S. ..

	PAGE		PAGE
Krishnamurti, C. R.	253	Radhakrishna Rao, C.	216
Krishnamurthy, C. S.	31, 291	Raghavan, M.	293
Krishnan, R. S.	109	Raghava Rao, Bh. S. V.	376, 378
Kurian, C. V.	124	Rahman, S. H.	151
Lafferly, C. D.	179	Rai, J. N.	256
Lakshminarayana Rao, M. V.	313	Rajagopal, M.	293
Lal, B. B.	118, 219, 281	Rajagopalan, R.	254, 342
Lal, K. B.	159	Ramachandra Rao, H. N.	170
Lulla, B. S.	339	Ramachandra Rao, T. N.	145, 146
Mahdihassan, S.	379	Ramachandra Row, L.	379
Mallik, A. K.	172	Ramadas, L. A.	172
Malurkar, S. L.	14, 77, 139, 148, 174, 245, 277, 357	Ramadas Guha	252
Manel, B. M.	180	Ramakrishna	360
Mani, V. K. S.	321	Ramakrishna, P. A.	186
Mathur, P. B.	338	Ramakrishna Rao, I.	251
Mazumdar, A. K.	74	Ramamohan, R.	89
Mehrotra, R. C.	119, 254, 345	Ramamurti, K. S.	213
Misra, R. C.	184	Raman, C. V.	67, 359
Mistry, Sorab P.	145, 146	Raman, V. V.	23
Mithal, R. S.	183	Rama Sastry, C.	54
Mitra, B. N.	180	Randhawa, M. S.	41
Mitra, C. R.	87	Ramaswami, L. S.	8
Mitra, P.	310	Ranganathan, S.	59
Moghe, D. N.	250	Rangappa, K. S.	28, 303
Mohanbabu Naidu	382	Rangaswami, G.	31
Mohanty, S. R.	55, 339	Rao, K. R.	182, 294
Mukerji, B.	221, 314, 352	Rao, M. R. A.	54
Mukherji, S.	124	Rao, P. S.	88
Mukundan Unny, M.	294	Raychaudhuri, S. P.	256
Muthanna, M. S.	87, 88	Razi, Basheer Ahmed	26, 149
Naganna, B.	226	Reddi, K. K.	30
Naithani, S. P.	188	Rode, K. P.	285
Narasinga Rao, M. B. V.	319		187
Narasinga Rao, M.	218		
Narayanan, D.	29		
Narayanan, S.	22		
Narayana Menon, U. K.	226		
Narayana Rao, D. A. A. S.	21, 179		
Narlikar, V. V.	113		
Nasir, Abdul Rehman, A. P.	19		
Nasir, Maqsud M.	10		
Natarajan, S.	156		
Nayar, M. R.	116, 225		
Neelakantam, K.	22		
Padmasini, K.	227	Sahadevan, P. C.	319
Pai, B. R.	186	Sahasrabudhe, M. R.	313
Pandalai, K. M.	312	Sahni, B.	203
Pande, C. S.	217	Sampath, S.	30
Parikh, H. P.	344	Samraj, J.	348
Parikh, R. K.	88	Sanjiv, U.	88
Patankar, A. D.	88	Sankara Subramanian, S.	238
Patel, C. S.	344	Sankal Chand C. Shah	238
Patnaik, R. B.	87	Sarkar, P. B.	74, 287
Patwardhan, V. N.	59	Sarma, S. R.	338
Pendse, C. G.	217	Sastri, M. V. C.	4, 32, 274
Perti, O. N.	315	Sathapathi, N.	219
Phalnikar, N. L.	57	Satyaranayana Rao, N.	156, 229
Pillai, S. C.	155, 254, 283, 317, 340, 341,	Seshachar, B. R.	254
Pradhan, L. B.	342	Seshadri, T. R.	343
Prasada Rao, G. H. S. V.	122	Seshagiri Rao, D.	152
Prasad, Raghubir	179	Seth, B. R.	387
Premabai, M.	292	Shah, C. C.	344
Puntambekar, S. V.	316	Shah, M. M.	57
Purushottam Das	346	Singh, Inderjit	159, 259
Puttarudraiah, M.	188	Singh, J. N.	122
	60	Singh, Kamala Prasad	54
		Sinha, R. C.	90
		Sitha Raman, M. V.	22, 23
		Sohni, V. V.	115
		Sood, C. P.	184
		Spurgeon, V. D.	123
		Srinath, K. V.	83
		Srinivasan, A. R.	320
		Srinivasan, N. R.	60
		Srinivasa Rao, M. R.	91
		Sreenivasayya, M.	89, 145, 146, 285, 311
		Subbarao, Mirle S.	116, 225
			285

PAGE		PAGE		PAGE
216	Subbaraya, T. S.	301	Vaidya, B. K.	206
293	Subramanyam, M. K.	157, 228, 334, 380	Varadachar, K. S.	179
3, 378	Subramanyan, K.	350	Varma, P. M.	151
151	Subramanyan, V.	155, 173, 242, 253, 283,	Varma, R. S.	17
256		340, 341, 342, 351	Vasudeva, R. S.	348
293	Sukhdev	377	Venkata Krishna Udupa	186
342	Sundarachar, C. K.	80	Venkataraman, T. S.	153, 190
170	Sundararajan, A. R.	84	Venkataraman, T. V.	122, 258
5, 146	Sundara Rao, R. V. G.	91	Venkatarayan, S. V.	335, 347
379	Sunita Inderjit Singh	159, 259	Venkatesan, C.	377
172	Suryan, G.	80	Venkateswarlu, J.	95
252	Syed Muzammil Ali	348	Venkateswarlu, K.	15
260			Venkteswara Rao, D.	55, 114
186	Talekar, V. L.	147, 337	Viswanadhan, N.	343
251	Thacker, M. S.	236		
89	Thiruvengadam, T. R.	379		
213	Tiwari, R. D.	119	Wadhwani, T. K.	317, 340, 341
359				
23	Uppal, B. N.	61, 157	Yusuf, N. D.	62
54				
41				
8				
59				
303				
31				
294				
54				
88				
256	Abnormally Dry and Wet Western Dis-	139	Atomic Pile Products to replace Surgery	306
256	turbances over North India		— Research	134, 196
149	Acetylcholine on Unstriated Muscle, The		— Energy in Cosmic and Human Life	
30	Mode of Action of	159	(Rev.)	231
285	Acetylenic Compounds, Chemistry of (Rev.)	162		
137	Aerobic Spore-forming Bacteria in Boiled			
	Milk	228	Bacteria and Protozoa, Relative Efficiency	
	Agricultural Chemistry, A Practical Course	261	of, in the Flocculation and Oxidation of	
319	in (Rev.)		Organic Matter Suspended in Water	340
313	Agricultural Research Institute, Indian,	164	Benzene 1 : 4-Disulphonic Acid Esters,	
203	Diplomas		Some	344
30	Air-Mass Interpretation of Sen's Vortex	174	— Disulphonamides, Some	344
348	Method of Weather Forecasting		Bio-Æsthetic Plan for India	41
88	Air Masses, Partitions of, in the Tropics,		Biochemical and Allied Research in India,	
238	and the I.T.F.	148	Annual Review, 1945 (Rev.)	390
238	Aliphatic Ketones with Hydrogenation,		Biochimica et Biophysica Acta	163
287	Ammonolysis of	253	Biochemical Research, Currents in (Rev.)	98
338	Alkaline Phosphatase in Erythrocytes	59	Biological Sciences, International, Union of	166
274	Alums and Mixed Alums, Elastic Con-	91	Biotin, Effect of, on Nitrogen Content of	
219	stants of		Yeast	311
229	Amino Acid Analysis of Proteins (Rev.)	100	Birefringence of Glass, Electric, Time	
254	Anatomy of Lango Religion and Groups	125	Factor in	310
343	(Rev.)		Blaini-Talchir Correlation—A Rejoinder	187
152	Ancient Indian Mathematics and Vedha	262	Blood Group Data of Punjabis and Mal-	
387	(Rev.)	367	divians, On the Analysis of	147
344	Anesthesia, One Hundred Years of	165	— Groups of Punjabis and Maldivians	92
57	Antarctic, Expedition to the	101	Boric Acid and the O-Hydroxycarbonyl	
259	Anthropological Survey of India, Five-Year	93	Compounds; Melting-point Curves	22
122	Development Scheme	252	Breeding, Plant and Animal, Statistical	
54	Antibiotics (Rev.)	386	Methods in	86
90	Antimalarials, Studies in, Some Sulpha-	19	Brewery Trade, Indian	303
23	biguanide Derivatives	19	Brinjal (<i>Solanum melangena</i> Linn.), Mo-	
115	—, Sulphabiguanide Derivatives	8	saic Disease of	149
184	A.P., Three Numbers in, A Note on	105	British Fishery Research in Arctic Ocean	241
123	<i>Apodous amphibia</i> of the Eastern Ghats,	49	Brood-Lac, Extract of, as a Supplemental	
83	South India	190	Nutrient for the Production of Anti-	
620	Asian Conference	21	biotics	89
60	Association for the Study of History of	21	Burma Bean, Hydrocyanic Acid from the,	
91	Medicine, Indian	50	Removal of, Effect of Different Treat-	
311	Astronomical Clock, Hindu		ments on the	
225	Asymmetry of Shape and Periods of Oscil-		Butene-1 \rightleftharpoons Butadiene-1, 3+Hydrogen, the	351
285	lation in Electric Fields		Equilibrium, Thermodynamic Charac-	
	Atomic Architecture, Disorder in		teristics of	252

Subject Index

PAGE	PAGE		
Calcareous Marl Deposits of U.P., A Note on the	183	Cystine and Methionine Contents of Common Indian Foodstuffs	284
Calculating Machines (Rev.)	161	Cytology, International Society of Experimental	66
<i>Capiscum fastigiatum</i> Bl., Karyotype in, A Preliminary Note on the	384	Dams, Large, International Congress on	326
Carbon Anodes, Electrolytic Reactions, on, Porous, Part I: The Preparation of <i>P</i> -Benzoquinone by the Oxidation of Benzene	87	Dharwar Geology with Special Reference to Mysore State, Some Aspects of	51
Carbon-Carbon Double Bonds, Mechanisms of Reactions in (Rev.)	127	<i>Dactyloctenium aegyptium</i> Willd., Double Digitate Inflorescence in	386
Carbohydrate Chemistry, Advances in, Vol. I (Rev.)	195	Dairy Training, Steps to Expand	198
—, Vol. II (Rev.)	192	Dating the Past (Rev.)	160
Careers, Rotary Guide to (Rev.)	264	Desert Coolers, Utility of	115
Cartesian Frames, Rotating Rectangular, A Fundamental Result for	54	Developing Village India (Rev.)	129
Caste in India (Rev.)	106	Diaspore with Pyrophyllite from Hamirpur District, U.P.	184
Cell Research, International Society of Experimental	66	Decentralisation of Industries and Prevention of Wars	100
Cellulose Chemistry, Methods of (Rev.)	263	<i>Eairas cupreoviridis</i> Wlk., The Biology of Earth's Magnetic Field	183
Central Medical Institute, Delhi	265	Ecological Society, Indian	36
Cereal Rusts, Nature and Prevention of the, as Exemplified in the Leaf Rust of Wheat (Rev.)	316	Electric Smelting Processes and Their Application to India, Part I	269
Ceramic Industry in Hyderabad	232	Electrolytic Reactions on, Part IV, Chloral Preparation of, from Alcohol	88
Chemical Composition of Storage Organs of Plants—A Factor in Photoperiodism	338	Electron, Jubilee of the	325
— Constitution of Natural Fats (Rev.)	296	Endoparasitic Chalcid of <i>Delias echaris</i> Drury	382
— Investigation of the Fruits of <i>Celastrus paniculata</i> Willd. (N.O. <i>Celastraceæ</i>)	57	Engineering Standards Committee, Hyderabad	40
— Laboratory, National	107	Enzymes and Their Role in Wheat Technology (Rev.)	389
— Research and Industry	106	Erythrocyte Pyrophosphatase	226
— Society, Indian	36	Ethoxy Acetonitrile, Preparation of	379
—, London, Centenary Celebration of the	347	Ethylene Chlorhydrin and Ethylene Glycol, Preparation of, From Ethylene, Electrolytic Reactions on, Porous, Pt. III	88
Chemistry, Pure and Applied, International Congress of, 11th	247	Experimental Agriculture, Empire Journal of	329
Chemists, International Union of	134	Experiments, Design of	50
Chlorobenzene, Electrolytic Reactions on, Part II, Preparation of, from Benzene	87	Extra Variables, Some, Inclusion of, in the Discrimination of Populations, on the Significance of the Additional Information obtained by the	216
Chromite and Associated Rocks of Kondapalle (Kistna Dist.)	310	Factory Training for Indian Students Overseas	201
Chromium in Chromite Ores, Estimation of	88	“Feeding Tubes” of Bracon (Microbracon), On the Function of	383
<i>Cicadella viridis</i> , Its Symbiotes and Their Function	58	Ferns, Male of, Kashmir	56
Ciliate <i>macronucleus</i>	83	Finite Pure Flexiture	387
Coconut Committee, Indian	358	Fisheries, Development of	166
Coconut Shell Charcoal (B) Activated Carbon	5	Fischer Tropsch Process, Development of, in Germany during the War	32
<i>Coffea robusta</i> L. Linden, Reserve Food Materials in Successful Establishment of Shoot Cuttings in	33	— Synthesis, Theory of	4
Coir Industry in India	385	— Reaction, Part II, <i>Ni-ThO₃</i> -Kieselguhr (100 : 18 : 100) Catalyst for the	353
<i>Colocasia antiquorum</i> Schott, Chromosome Number in	232	— Synthesis at Medium Pressure, Pt. III, <i>Ni-ThO₃</i> -Kieselguhr (100 : 18 : 100) Catalyst for the	377
Colloid Science, Advances in (Rev.)	117	Fishes, Inland Water, Visceral Oil Extraction of, in the Collair Lake Area, Madras	288
Conductance of Salts in Diethanolamine as a Non-Aqueous Solvent	64	—, Migratory, of the Inland Waters of Madras	289
Controlled Atmosphere for the Heat Treatment of Metals (Rev.)	196	Foam for Fighting Fires	393
Cotton, Manufacture of, in India (Rev.)	23	Food and Diet in Mouryan Empire (Rev.)	132
Cresols, Electrolytic Hydrogenation of	96	Foreign Universities, Practical Training, Facilities for	293
Crop Production and Environment (Rev.)	67		
Crystal Physics, New Paths in	188		
Cultivated Cucurbits in Some Chromosome Numbers	14		
Cyclonic Storms, Tropical, Direction and Movement of	188		

PAGE	PAGE	PAGE		
284	Forest Products, Research and Exploitation of	199	Industrial Research, Shri Ram Institute for, Delhi	70
66	Fractional Replication of the General Symmetrical Factorial Design	138	Inverse Square Law and the Measurement of H on the Proof of Exploitation	133
326	Frans Verdoorn, Mary Soper Pope Medal	36		
51	Fritschilla tuberosa Iyeng., A New Record for	30	Johannesbaptista, Occurrence of, in the	
386	Fruit Fall and Its Control by Synthetic Growth Substances	34	Adyar River, Madras	63
198	— Preservation, Principles of (Rev.)	64	John Couch Adams and the Discovery of the Neptune	230
160	Functional Calculus, Possible Application of	50	Jute, Bleached, Yellow of	74, 286, 287
115	Fungal Cultures, Sealing Tubes of, to Increase Their Longevity, A Method of	94	Krishnan, Sir K. S.	109
129				
184	Genetics, New, in the Soviet Union (Rev.)	263	Laboratory Technicians	202
100	Genus Ipomoea, Chromosome Studies in the Geological Congress, International	156	Lac, Moisture in, Suitability of Dielectric Constant Method for the Determination of	117
379	Geology Department, Patna University, First Anniversary	392	Lactation, Initiation of, in Heifers and Cows	29
36	Geomagnetic Storms	165	Lady Tata Memorial Trust, Scientific Research Scholarships for 1947-48	36, 198
269	Germination, Capacity of a Paddy Strain in Malabar and S. Kanara, Deterioration in	266	Language Medium for Scientific Education in India	327
88	Ghosh, Sir Jnan Chandra	319	Laplace's Transform, A Generalisation of	17
325	Gibberella Blight of Rye, Hitherto Unrecorded from India	330	Laundry Research	197
382	Glass Electrode pH Meter, 2-Stage Amplification, Laboratory Assembly for the	152	Lead Nitrate and Alkali Vitrates, Complex Compounds, Formation of, Part V.	225
40	Globin Insulin Preparations, Assay of	116	Leaves of, <i>A Denanthera pavonina</i> Linn., Chemical Examination of	344
389	Glomerella Rot of <i>Nuna</i>	352	<i>Lencaea glanca</i> Benth., Degenerations in	290
226	Godowns, Heat Treatment of	384	Light Effect, Activated Layer Postulate in the Mechanism of, Further Consequences of the	18
379	Goethe's Botany (Rev.)	128	Limestone, Coloured, of the Palnad Area	179
88	Graphites, Analysis of	218	Live Fungi Culture Collection at the I.A.R.I.	350
329	Grassland Congress (5th), International Union of	166	Locust, The Desert, Seasonal Breeding and Migrations of	132
50	Guava (<i>Psidium guyava</i> L.), Wilt Disease of	256	Lower Level Winds along the Deltas of the North Madras Coast, in the Monsoon	375
216	Handloom Weaving Industry in India (Rev.)	356	Lymph	65
201	Hand-Microtome, A Simple, Inexpensive	24		
383	Hartley Oscillator, Oscillation Characteristics of	308		
56	Heartbeats	305	<i>Mabuya dissimilis</i> Hallowell, Dermal Scutes of	348
387	Heat Conductivity of Liquids on Osida's Theory, Temperature and Pressure Variation of	55	Macronucleus of Ciliates Endopolypliod, Is the?	228
166	<i>Hemileia jussmini</i> Krishnamurthy and Rangaswami Sp. Nov., On <i>Jasminum ritchiei</i> Clarke	31	Madras University Endowment Lectureships, 1947-48	35
32	Henbane, Indian	315	Maize, as an Article of Human Food, Processing of, to Improve Its Value	173
4	Heredity, An International Journal of Genetics (Rev.)	324	Manganese in India, Production of	232
353	<i>Hibiscus esculantus</i> , Colouring Matter of the Flowers of	343	Marine Microbiology (Rev.)	99
288	Hormone Research, Recent Progress in (Rev.)	193	<i>Margarodes</i> sp., Bacterial symbiosis in a	379
289	Howard Medal, 1946	134	Mars, Atmosphere on	374
393	Hydraulic Measurements (Rev.)	230	Marsden, Fred, Dr. (Obituary)	279
132	Hydrogen Peroxide, Photochemical After-Effect in the Decomposition of, by Potassium Ferrocyanide	118, 219	Mass, What It Is	81
293	Indian Cotton-Growing Review, (new Journal) (Rev.)	195	Mathematical Physics, Methods of (Rev.)	261
	— Minerals (new Journal) (Rev.)	195	Mathematics, A Poetry of, and Other Essays (Rev.)	191
	— Science Congress, Delhi, 1947	1	Mathematical Statistics, A First Course in (Rev.)	160
	Industries, Indian, Development of Foreign Co-operation in the	76	Matthai, Prof. George (Obituary)	279
			Medicine and Allied Sciences, Journal of the History of (Rev.)	263
			<i>Melia azadirachta</i> , Chemical Examination of Flowers of	182
			Mercurochrome as an Indicator in Halogen and Silver-ion Titrations	343

PAGE	PAGE		
Mercury Iodide Molecule, Ultra-Violet, Bands of the ..	54	Oils, Shark Liver, Protection of Vitamin A in, by Antioxidants, Effect of Storage and Acidity ..	119
Metallogenetic Epochs in India ..	275	—, Turbidity Temperature of, as Determined by Bellier's Test and Significance as an Analytical Constant ..	92
Metallurgical Laboratory, India, National — Research and Industrialisation ..	66	Optical Images, Axially Invisible? Are ..	114
Metals, Institute of, Indian ..	37	Organic Compounds, Characterisation of (Rev.) ..	128
Methane, Chemicals from (Rev.) ..	134	Oscillator, Relaxation Pulse Frequency of a, Effect of Certain Factors on ..	132
Mica Research ..	379	Pacific War Memorial ..	66
Micro-Glass Electrode for pH Determination ..	196	P-Aminobenzene-Phosphoric Acid (Phosphanilic Acid) and Its Derivatives, Antibacterial Activity of ..	223
Microbiology, International Congress (4th) for ..	25	Palaeontology and the Measurement of Geological Time ..	203
Micro-organisms, Culture Collections of ..	66	Particles, High Energy, New Methods of Producing ..	102
Microscope, the Intelligent Use of (Rev.) ..	374	Pasturalogy ..	137
Mulletts <i>Mugil dussumieri</i> (CV.), <i>Mugil Oeur</i> (Forsk.), Natural Acclimatisation of, Two Species of, to Freshwater Conditions on the Nellore Coast ..	355	Pest, Unusually Effective, Control of a, by Parasite ..	158
Mills, Nixon Effect ..	123	Petroleum Resources of India (Rev.) ..	355
Mines, Indian School of, Expansion ..	141	Pharmaceutical Federation, International ..	294
Mineral Finds in Mysore ..	286	Phenolphthalein as Adsorption Indicator in Argentometric Titrations ..	254
— Development in Hyderabad State ..	393	Physiological Congress, International Congress on the ..	134
Minerals, Development of ..	201	Physical Laboratory, National, India ..	71
Mite, <i>Paratetranychus indica</i> , Occurrence of, on Jowar (<i>Andropogon sorghum</i>) and Its Predators in Mysore ..	166	Phytoplankton of Bombay Harbour, Variations in the Seasonal Composition of the ..	304
M-Nitraniline, Electrolytic Reduction of 2,4-Diaminophenol ..	186	Phytopathological Society, Indian ..	102
Molecular Structure of CH_3CN ..	21	<i>Phytophthora palmivora</i> Butler on <i>Cyphomandra betacea</i> Sendt. and <i>Carica papaya</i> Linn. ..	146
Molluscs, Two Common, Food Value of, Found Near Pamban and the Chemical Composition of Their Shells ..	294	Planck, Max, Prof. (Obituary) ..	301
Monazite, as an Article of Human Food, Processing of, to Improve Its Value ..	173	Plane Projective Geometry, Methods of, Based on the Use of General Homogeneous Co-ordinates ..	65
Montessori Magazine (Rev.) ..	356	Plastics, The New (Rev.) ..	191
Moon, Radar Contact with ..	358	Polyelectrones ..	63
Morality of Science ..	201	Polyembryony, A Case of, in <i>Poivrea coccinea</i> De ..	95
Mosaic Disease of <i>Malvastrum coronadelianum</i> Garske ..	347	Post-Embryonic Development of Antenna in Aphids ..	258
<i>Musa sapientum</i> Linn., Flowers with Three Styles in ..	29	Power Engineers in India, Training of ..	236
Muscle, Unstriated, Metabolism of the ..	259	Pressure Gauge, Accurate, Employing Measurement of Surface Strain on Diaphragms ..	274
Muscular Contraction, Chemistry of (Rev.) ..	322	Probability, A Modified Definition of ..	53
Mycological and Plant Pathological Society for India ..	81	Probit Analysis, A Statistical Treatment of the Sigmoid Response Curve (Rev.) ..	354
<i>Myctophum</i> Sp., Occurrence of, in Bombay Harbour ..	122	Protozoa, Occurrence of, in Land-Filtered Sewage Effluent ..	254
Nerve Activity, Physico-Chemical Mechanisms of (Rev.) ..	129	Pseudoscorpions in Beehives in India ..	122
Nickel, Thoria, Kieselguhr Reaction, Part I ..	318	Psychology and the Rehabilitation of Human Society ..	53
Niobotartaric Acid ..	60	Public Utility Electricity Supply Finance, Control of, Principle for the ..	170
Nobel Prize Awards ..	326	<i>Puccinia graminis tritici</i> , A New Race of, and Two Biotypes of Race ..	61
Norite in Jubbulpore, Occurrence of ..	357	<i>Pyrus malus</i> , Vivipary in ..	321
Nuclear Physics, Tables (Rev.) ..	90	Rabbit Coccidiosis, Some New Chemical Agents for the Control of ..	287
Nucleic Acid Metabolism in Relation to Penicillin Bacteriostasis, The Possible Significance of the ..	126	Radio Sonde Station for Travancore ..	196
Nucleus and Nucleic Acids (Rev.) ..	312	Ragi (<i>Eleusine coracana</i>) Seedlings and Their Response to Vitamins, Antiseptic Culture of ..	227
Numbers, Squares of, A New Method of Obtaining ..	178		
— Squares of, Another Method of Calculating ..	334		
— Theory of, A Chapter in the (Rev.) ..	337		
Nutrition Research Laboratories, Coonoor ..	122		
<i>Nyctanthes arbor tris</i> L., Occurrence of, Sclerosed Pallisade Cells in the Leaf of ..	47		
Oils, Fish Liver, Vitamin A in, and Carotene in Foodstuffs ..	85		

PAGE	PAGE		
Relation of Diseases in the Lower Animals to Human Welfare (Rev.)	297	Sewage, Effect of Different Gases on Protozoal Activity and Purification of	155
Rainfall in India, Abnormally Heavy, Temperature Inversion in Tropical Air Masses	245	— Farms, Utilisation of, for Growing Sugarcane and Production of White Sugar	342
Rainiest Spot in the World	78	Shark Liver Oils, Unsaponifiable Matter in Short-nosed Fruit Bat, <i>Cynopterus sphinx</i> (Vahl), Post-Partum Oestrus in the Indian	221
Raman Scattering, Placzek's Theory of, Applicability of, at High Temperatures	15	Silk Industry, Indian, Future of	186
Reaper for Indian Farms	298	Silviculture, Practice of (Rev.)	302
Red Cell Production and Destruction, Some Aspects of (Rev.)	388	<i>Skimmia laureola</i> Hook, Active Principles Isolated from the Leaves and Bark of	33
Reduction of Sulphate, Rate of, by <i>Vibrio desulphuricans</i> , Konæ	285	Sky, the Overcast, Visual Shape of	222
Refractive Index and Viscosity, A Relation between	283	Snow Survey in the Himalayas	55
— Constant of Milk, Some Factors Affecting the	28	Sodium Oleate Gels in Pinene, Effect of, Centrifugal Spinning on the Synthesis of	197
Relation of Diseases in the Lower Animals to Human Welfare (Rev.)	297	Solar Eclipse, 20th May 1947	222
Relativity, Spherically Symmetrical Solutions in	250	— Radiation and the Indian Monsoon	165
Resorcinol, Succinein as Adsorption Indicator in Argentometric Titrations	119	Soil Science, Tropical, Elements of (Rev.)	213
Rhodamine 6 G—A New Indicator in Oxidimetric Titrations	378	Soviet Expedition to the Arctic	355
Rhodes Scholarships for India	166	— Fishing Expedition	197
Rice Research	119	“Soya Bean Milk” Proteins, Biological Value of, by Regeneration of Liver Protein in the Rat	313
Robusta L., Linden Reserve Food Materials in Successful Establishment of Shoot Cuttings in <i>Coffea</i>	385	Spores, Occurrence of, Comparable to <i>Rodeites dakshini</i> Sahni, from the Deccan Intertrapean Beds of Vikarabad	338
Rotating Frames of Reference, Kinematics of	217	<i>Squilla hieroglyphica</i> Kemp., Occurrence of, in the Coastal Waters of Travancore	289
Rothamsted Experiment Station	135	— Standards Institution, Indian Statistical Association Bulletin, Calcutta (Rev.)	249
<i>Saccharum spontaneum</i> , Flowering in, Soraparai, 270, Effect of Long Periods of Darkness on	145	— Conference of the World	356
<i>Saccharomyces</i> sp., Nutritional Requirements of a, Isolated from Coconut Toddy	291	— Method of Predicting Sunspot, New	165
Safflower, <i>Carthamus tinctorius</i> L., Seedling Blight of	62	Striga, Some New Hosts for	306
— <i>Puccinia carthami</i> (Hutz.) corda, the Rust of	292	Sugarcane Cultivation (Rev.)	320
Sann Hemp <i>Crotalaria juncea</i> Linn., and Its Crystallisation, Mosaic Virus of, A Note on	26	— in India, A Retrospect and Prospect	190
Scheme Worker, The	267	— Quality of Primary (Mother) Shoot in, Effect of Different Number of Tillers on the	112
<i>Schistocerca gregaria</i> Forsk., the Desert Locust, Peritrophic Membrane in	124	Sugar Industry, Indian	260
Science, Ideals of	110	Sulphanilamide Derivatives, Studies in vitro	105
— Club, Journal of (Rev.)	370	Surface Tension of Solutions with Time, Variation of	156
— in India, Future of	3	Supersonic Vibrations, A New Detergent	370
— Industry (Rev.)	231	Surveying, Theory and Practice (Rev.)	303
— Progress (Rev.)	231	Stored Grains, Insect Pests of, Eradication of, Rather than Their Control	162
—, — in (Rev.)	33	Tamarind Seed Polysaccharide	10
— and International Concord	3	Technical Education, All-India Council of	256
Scientific Man-Power Committee	164	— in India	137
— Talent in the Country, Encouragement of	293	Termites, Occurrence of, at Krusadai Island	167
— Organising, in the Country	190	Textile Bleaching, An Introduction to (Rev.)	154
— Personnel, Overseas Training of	103	Thallium, Estimation of	34
Seasonal Relation between North America, Southern Monsoon and Winter Rain in North-West India	77	Tomato, A latent Virus in	376
Seeds of <i>Derris scandens</i> , Chemical Examination of the	Vanaspati Problem	UNESCO, Division of Natural Science	348
<i>Sesbania</i> spp., Chromosome Numbers in	346	United Nations Scholarships for Indian Students	106
Sesquiterpenes, Studies in, Part II, Synthesis of Methyl Cadalenes	30	Uranium Unit of the Geological Survey	101
	377	Vanaspatti Problem	242
		— Research	197
		Vegetable Oil for Diesel Fuel	393
		— Milks, Rennet Coagulation of	253
		<i>Vigna catjang</i> Walp., Mosaic Disease of	151

PAGE	PAGE		
Viscometer for Heterogeneous Mixtures ..	180	Westphal Balance in Sedimentation Analysis ..	219
Viscosity of Non-Ideal Liquid Mixtures, An Equation for the ..	23	Wheat, Yield of, Effect of Spacing ..	121
Vitamin Assay, Methods of (Rev.) ..	393	Wood, International Congress on the Exploitation and Utilisation of ..	133
— B Content of Groundnut, Influence of Variety, Manuring and Germination on ..	285	Wool, Indian ..	206
— Wealth, India's ..	153	World Health Organisation, Geneva, Chronicle of the ..	297
Vitamins of the B Group, Production of, by <i>B. subtilis</i> Grown on Synthetic Medium ..	339		
— and Hormones, Chemistry of (Rev.) ..	262	Xanthoxylum budrunga Wall., Alkaloids of ..	185
Vorticella, Pure Cultures of, On the Preparation of ..	317	X-Rays in Research and Industry (Rev.) ..	127
—, Respiration of ..	341		
<i>Wahlenbergia gracilis</i> Schrad., Polyembryony in ..	350	Yeasts, Chromosomal Changes and Nutritional Requirements of ..	316
Wasp, A Resin, Working Solitary, Nest of ..	258	—, Diploid and Tetraploid, Rate of Growth of ..	380
Water, Alkaline, Treatment of, to Render Suitable for Reeling Silk ..	283	— Endopolyploidy in ..	157
—, Heat Conductivity and Molecular Complexity of ..	339	Young's Modulus, Theory of a New Method for Determining the ..	337
Watumull Research Fellowships ..	202		
Wax-Splitting Enzyme, the Doubtful Occurrence of ..	153	Zaratite in the Nuasahi Chrome-Ore ..	56
Weather Information and Forecasting, Occasional, Distant ..	277	Zoological Research, Trend of, in the U.K. and the U.S.A. ..	331
		Zoology, 13th International Congress of ..	134

vi

AGE

119

21

33

306

297

85

27

316

380

57

337

56

331

334